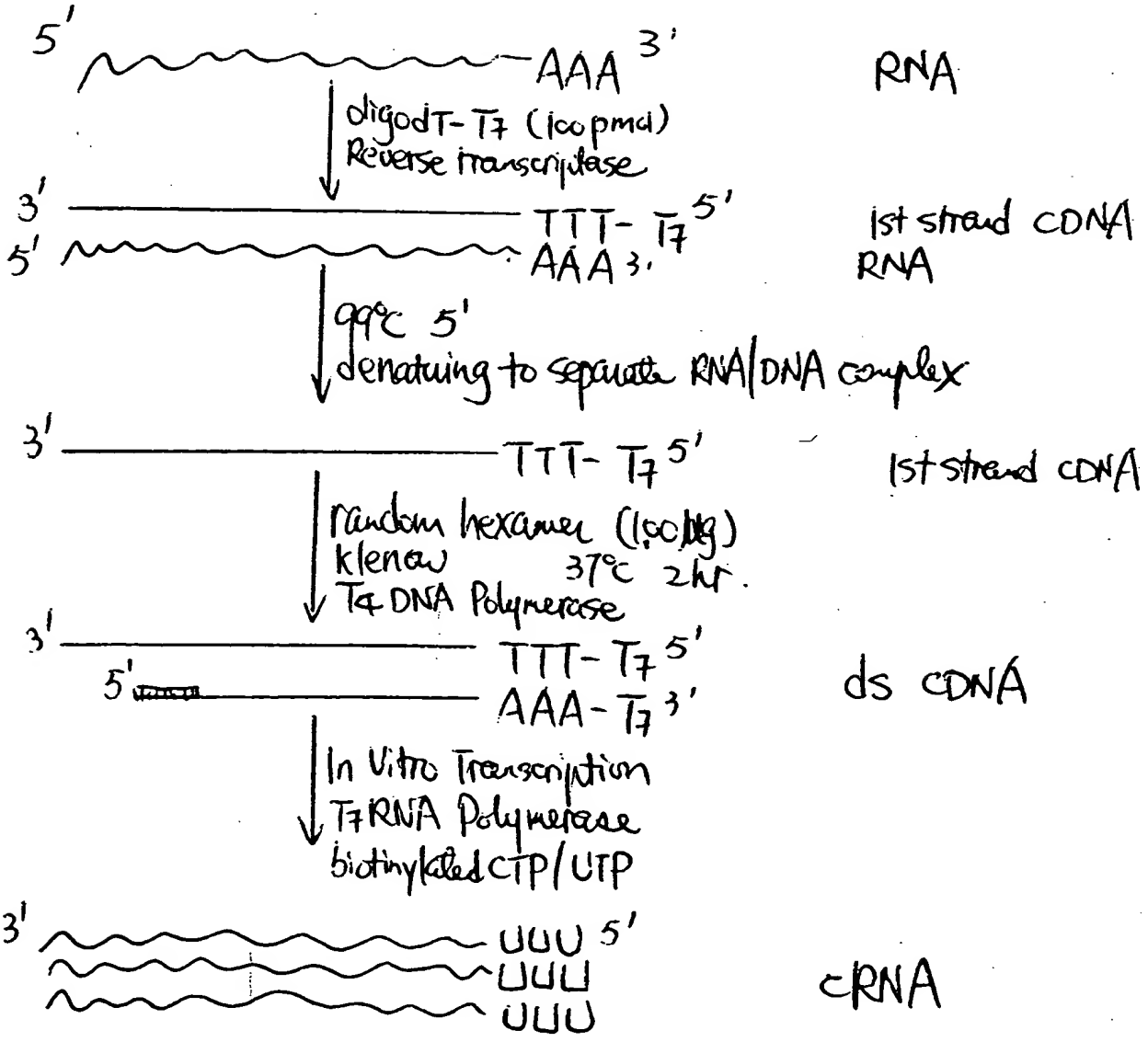
5'
AAA 3'
RNA
oligodT-T7 (100 pmol)
Reverse transcriptase
3'
TTT-T7 5'
1st strand cDNA
5'
AAA 3'
RNA
99°C 5'
denaturing to separate RNA/DNA complex
3'
TTT-T7 5'
1st strand cDNA
random hexamer (100 ng)
klenow 37°C 2hr.
T4 DNA Polymerase
3'
TTT-T7 5'
5'
AAA-T7 3'
ds cDNA
In Vitro Transcription
T7 RNA Polymerase
biotinylated CTP/UTP
3'
UUU 5'
UUU
UUU
cRNA

FIGURE 1